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Abstract of JP 7010621 (A)

PURPOSE: To improve affinity of a fiber for cement by treating the fiber so as to readily bond cement particles to fiber surface in mixing the fiber with cement. CONSTITUTION: 2-200wt. % (based on fiber weight) of iron(III)chloride component is bonded to the surface of fiber by immersing a fiber into an aqueous solution of iron(III) chloride to provide a fiber for reinforcing cement, capable of developing tackiness on the fiber surface by converting this iron(III)chloride component into gel-like iron hydroxide in mixing the fiber with cement. When the fiber is mixed into cement slurry, cement particles are bonded to the surface of fiber to improve affinity for cement and the fiber is favorably dispersed in the cement slurry by stirring to enhance flexural strength of cement formed article.

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